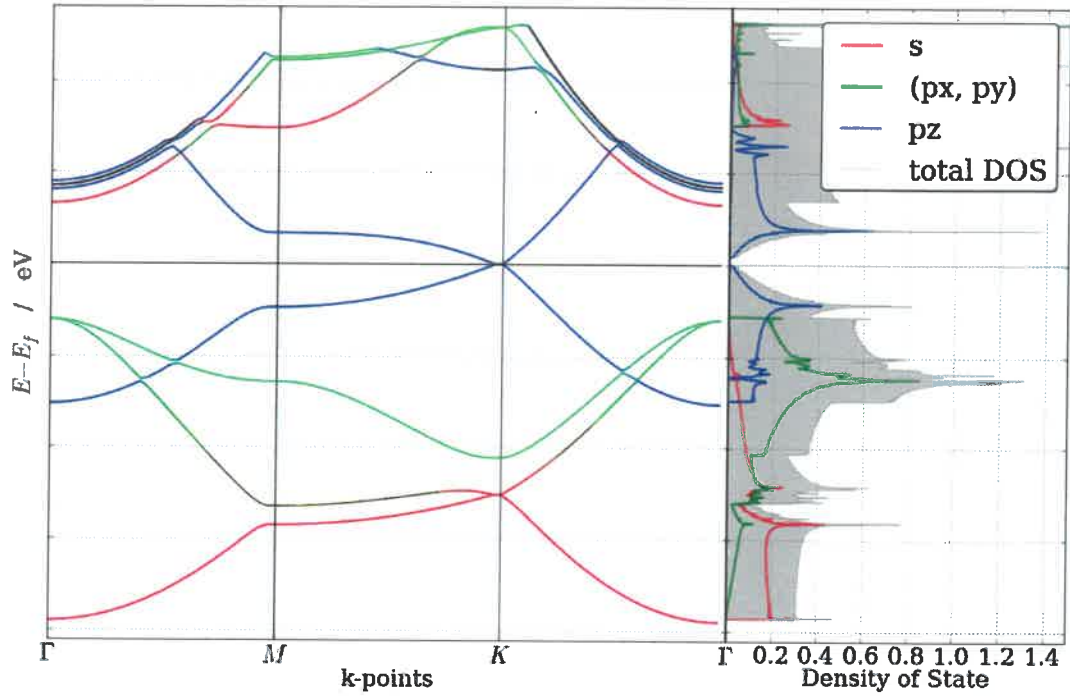


Bands diagram of graphene



$^{12}_6\text{C}$

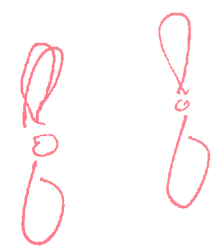
$1s^2$   $2s$   $2p$   
 $4e^-$

$3$   $(p_x, p_y)$   $1 p_z$

$3e^-$  in  $sp^2$

$1e^- / C$

$\nu p_z$



$t = 1.5 \text{ eV}$

